

Supplementary Table 1. AUDIT cut-offs used in previous genetic studies

AUDIT-cut-off (controls)	AUDIT-cut-off (cases)	Trait	study design	Population	Ancestry	reference PMID
Quantitative	-	Total score	GWAS	trauma-exposed	African-American	2.9E+07
Quantitative	-	Total score	GWAS	23andMe research participants	European	2.9E+07
Quantitative	> 8	Total score	indicate ge	posttraumatic stress disorder	Polish	2.9E+07
Quantitative	-	3-item AUDIT-C	indicate ge	Veterans Aging Cohort Biomarker Study Cohort	European, African-American	2.8E+07
Longitudinal quantitative	-	Total score	GWAS	ALSPAC	European	2.8E+07
< 9 men, < 6 women	≥9 for men and ≥6 for women	Total score (case, control)	GWAS	The Netherlands Twin Register	Dutch	2.6E+07
< 15	≥ 15	Total score	igenome-w	alcohol dependent patients, controls	German	2.7E+07
< 6	6-8 (risk); > 9 (harmful)	Total score	indicate ge	University students	Chilean	2.6E+07
< 8	≥ 8	Total score	R expressi	AUD	Caucasian, African American, North American	2.6E+07
≤1	≥ 16	Total score (case, control)	indicate ge	TheGeneticsOfSexualityandAggressionsample	Finnish	2.6E+07
< 6	≥ 8	Total score (case, control)	indicate ge	AUD	Spanish	2.6E+07
Quantitative	-	Total score (quantitative and case, control)	indicate ge	healthy male social drinkers	German	2.6E+07
-	-	Total score	indicate ge	alcohol dependent patients, controls	Slovenian	2.6E+07
-	-	Total score	indicate ge	alcoholic patients, controls	Korean	2.5E+07
> 11	-	Total score	indicate ge	alcoholic patients, controls	Korean	2.5E+07
≤5	≥10	Total score (case, control)	indicate ge	AUD	Tibetan	2.4E+07
-	-	Total score	indicate ge	alcohol dependent patients, controls	Indian	2.4E+07
-	-	Total score	indicate ge	life stress	German	2.4E+07
Quantitative	-	AUDIT-C, individual items	indicate ge	Head and neck cancer patients		2.3E+07
≤5	≥10	three factors from AUDIT (quantitative)	indicate ge	AUD, controls	Tibetan	2.1E+07
Quantitative	-	Total score	indicate ge	DSM-IV alcohol dependence, controls	German	2.1E+07
Quantitative	-	Total score	indicate ge	DSM-IV alcohol dependence, controls	Korean	2.1E+07
Longitudinal quantitative	-	Total score	indicate ge	alcohol dependence	Finnish	2.1E+07
low risk (0-7)	risk (8-15), high risk (16-19), referral (>20)	Total score	ibility, Biorr	alcohol drinkers	Korean	2.1E+07
low risk (0-5)	hazardous (> 6)	Total score	ibility, Biorr	alcohol drinkers	Korean	2.1E+07
0-5	6 to 12	3-item AUDIT-C	indicate ge	alcoholic females, controls	Swedish	2E+07
not reported	not reported	Total score	indicate ge	DSM-IV alcohol dependence, controls	Chinese, Indian	2E+07
≤5	≥10	Total score (case, control)	indicate ge	AUD, controls	Tibetan	2E+07
≤12	13-19 (hazardous); ≥20 (problem drinkers)	Total score (quantitative and case, control)	indicate ge	alcohol-dependent and control subjects	Finnish	1.9E+07
≤5	≥10	total scores, and three factors	indicate ge	AUD, controls	Tibetan	1.8E+07
Quantitative	-	Total score	indicate ge	DSM-IV alcohol dependence, controls	Korean	1.7E+07
Quantitative	-	Total score	indicate ge	college students	Russian	1.7E+07
Quantitative	-	Total score, three factors	indicate ge	alcohol dependent patients, controls	Korean	2.4E+07